

Date: Thu, 6 Oct 94 04:30:27 PDT
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>
Errors-To: Ham-Homebrew-Errors@UCSD.Edu
Reply-To: Ham-Homebrew@UCSD.Edu
Precedence: List
Subject: Ham-Homebrew Digest V94 #295
To: Ham-Homebrew

Ham-Homebrew Digest Thu, 6 Oct 94 Volume 94 : Issue 295

Today's Topics:

 duplexer for 2M, the
Favorite input circuit for freq. counter? (2 msgs)
 Homebrew Antennas
 Phase Noise

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 4 Oct 94 15:25:46 EDT
From: landisj@drager.com (Joe Landis - Systems & Network Mgr)
Subject: duplexer for 2M, the

In article <36ettl\$96m@crl4.crl.com>, rdcole@crl.com (Ron Cole) writes:
[...]

>
> Any one have a 4 or 6 cavity 6 meter duplexer ? Boy is this thing going
> to be a monster. Have Larger truck will haul...
>
>
> Ron
> N5HYH
>

Saw one at the Pack Rats hamfest this weekend; a 4 cavity job. He had 2 cavities
standing on either side of his pickup truck. They were for the 40 some mhz
range, and were about 5 feet long! I didn't catch his call, or the price, cuz
I'm not looking for em. But if I see them around again I will make a note of it.
Interested?

Joe - AA3GN

--

Joe Landis - Systems and Network Manager - North American Drager - Telford, PA
landisj@drager.com - Ax25: AA3GN@WA3TSW.#EPA.PA.USA.NOAM - ampr: [44.80.8.153]
Counting the days til deer season! Politically correct sig not available.

Date: 5 Oct 1994 11:34:45 GMT
From: sct@po.cwru.edu (Stephen C. Trier)
Subject: Favorite input circuit for freq. counter?

In article <36u2qk\$puh@usenet.INS.CWRU.Edu>,
Stephen C. Trier <sct@po.cwru.edu> wrote:
> Should I square up the input and boost the input
> capacitance...

That's what I get for writing a message when I'm tired. Boost the input
impedance, Stephen, _impedance_. Obviously high input capacitance is
easy to get but not desirable. Sorry for the error.

Stephen

--

Stephen Trier "Idiosyncratically euphuistic eccentricities are the
sct@po.cwru.edu promulgators of titurable obfuscation. What did you
KG8IH do last night? Enter into a meaningful romantic
involvement or fall in love?" -- United Technologies

Date: 5 Oct 1994 11:31:32 GMT
From: sct@po.cwru.edu (Stephen C. Trier)
Subject: Favorite input circuit for freq. counter?

I'm working on homebrewing a frequency counter around an ICM7216.
The current challenge is finding a good input circuit. For HF,
capacitively coupling into a 74HC gate looks good. For higher
frequencies, I'd like to use a 74F prescaler, which offers questions
of its own. Should I square up the input and boost the input
capacitance with, say, a JFET preamp?

What's your favorite input circuit for frequency counting?

Stephen

--

Stephen Trier "Idiosyncratically euphuistic eccentricities are the

sct@po.cwru.edu promulgators of titurable obfuscation. What did you
KG8IH do last night? Enter into a meaningful romantic
involvement or fall in love?" -- United Technologies

Date: 4 Oct 1994 12:40:02 -0700
From: acsys@crl.com (Acsys Inc.)
Subject: Homebrew Antennas

Nikhil Natarajan (vp253dhq@ubvms.cc.buffalo.edu) wrote:
: Does anybody have any suggestions on a good homebrew J-pole? Another
: question is, does anybody know how to make a good antenna that is portable
: enough to be carried with you while you hike in the woods and could be
: set up there (a type of dipole perhaps)? If anybody has any input or directions
: could you please e-mail me at the address below. Thanks in advance.
: Nikhil N1HHJ
: vp253dhq@ubvms.cc.buffalo.edu

check alt.radio.pirate, look in the FAQ's there, there is a FTP site of
related info that has the designs for a j-pole and slim-jim.

mike

Date: 5 Oct 1994 12:40:15 GMT
From: lascal@cii3112-19.its.rpi.edu (Lance Lascari WS2B)
Subject: Phase Noise

Yo knowlegable hams,
(I must say this as I find my professors totally useless most of the time)

Can anyone out there point me to some good references on Phase Noise?
I have read the three part series on Phase noise in oscillators by
ulrich Rohde in QEX, as well as the chapter on oscillators in Rohde's
book. I guess I might have seen some other work, but I don't recall.
I am mainly curious in finding a good reference on the true effects of
phase noise rather than just "where it comes from and how to eliminate
it".

I think I understand the basics, I just want see some more
writing on the subject. This seems to be one of those things where
you get a different interpretation from everybody you talk to.

thanks much,
-Lance

--

Lance Lascari WS2B <lascal@rpi.edu> Senior EE @ Rensselaer Polytechnic Inst.
Mount Greylock Expeditionary Force Secret agent #52,342

Date: 5 Oct 1994 12:26:33 GMT
From: lascal@cii3112-19.its.rpi.edu (Lance Lascari WS2B)

References<9409261820391867@kbsbbs.com> <36ettl\$96m@crl4.crl.com>,
<1994Oct4.152546.166@drager.com>
Subject: Re: duplexer for 2M, the

Joe Landis - Systems & Network Mgr (landisj@drager.com) wrote:

: Saw one at the Pack Rats hamfest this weekend; a 4 cavity job. He had 2 cavities
: standing on either side of his pickup truck. They were for the 40 some mhz
: range, and were about 5 feet long! I didn't catch his call, or the price, cuz
: I'm not looking for em. But if I see them around again I will make a note of it.

Yeah, I saw the guy at Pack Rats too... He was asking \$75 per
can at the fest. A friend of mine (Doug Sharp, WB2KMY,
dsharp@lecs.ericsson.se) set a deal with him to buy a good portion of
his stock. SO, maybe there will be some available....I dunno They
looked nice though :)

-L

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Lance Lascari WS2B <lascal@rpi.edu> Senior EE @ Rensselaer Polytechnic Inst.
Mount Greylock Expeditionary Force Secret agent #52,342

End of Ham-Homebrew Digest V94 #295
